

## **PATENT**

**Title: GLAZING ASSEMBLY PROVIDED WITH A THIN-FILM  
MULTILAYER THAT REFLECTS INFRARED RADIATION AND/OR  
SOLAR RADIATION**

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## **ABSTRACT**

The invention relates to a glazing assembly comprising at least one transparent substrate, especially made of glass, provided with a thin-film multilayer comprising, in the following order starting from the substrate, at least:

- (a) a first dielectric layer comprising a barrier layer acting as a barrier to the diffusion of oxygen and chosen from silicon nitrides;
- (b) a lower stabilizing layer made of a metal or metal alloy X;
- (c) a functional layer having reflection properties in the infrared and/or in the solar radiation, especially a metal layer;
- (d) an upper metal blocking layer made of a metal or metal alloy Y;
- (e) a second dielectric layer comprising a barrier layer acting as a barrier to the diffusion of oxygen and chosen from silicon nitrides; and
- (f) optionally, a protective oxide layer;

in which multilayer the metal or alloy X of the lower stabilizing layer is different from the metal or alloy Y of the upper blocking layer.